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on the table. I wish I had any thing of more importance to communicate. Business during the winter takes up my time, so that I make no experiments myself; but what I hear of I shall continue to send you.

Being with sincere esteem, dear sir,

Your most obedient humble servant,

B. FRANKLIN.

Dr. Patterson gave a general account of the mathematical inquiries recently conducted by Mons. Le Verrier, to explain the apparent diversity between the actual observed position of the planet Uranus, and the position it should occupy according to the laws of gravitation. Assuming that another planet exists beyond Uranus, at the distance from the Sun which the laws of Bode would indicate; that its orbit was nearly circular, and in the zodiac; and that its mass was equal to that of Uranus; he determined that a planet so assumed would account for the perturbations observed in regard to Uranus, from the position it should occupy, according to the laws of gravitation, if the planet was in a particular place at a given epoch.

*Stated Meeting, October 2.*

Present, eighteen members.

Dr. PATTERSON, Vice-President, in the Chair.

Letters were announced and read:—

From the Royal Geographical Society of London, dated Feb. 21, 1846, acknowledging the reception of Vol. IX. Part 2d, of the Transactions of the American Philosophical Society, and of Nos. 32, 33, of the Proceedings:—

From the New Jersey Historical Society, dated Newark, Sept. 7, 1846, stating that they had sent their publications to the American Philosophical Society, and asking, in return, donations to their Library:—

From P. de Angelis, dated Buenos Ayres, Feb. 20, 1846, accompanying a donation to this Society of official documents: and,—

From Dr. Asa Gray, dated Cambridge, Mass., Aug. 26, and Sept. 4th, 1846, in relation to a donation sent by him to the American Philosophical Society.

On motion of Judge Kane, the New Jersey Historical Society was placed among those societies that are in correspondence with the American Philosophical Society.

The following donations were announced:—

#### FOR THE LIBRARY.

The Journal of the Royal Geographical Society of London. Vol. XVI. 1846. Part I. 8vo.—*From the Society.*

The Royal Geographical Society and its Labours. 1846. 8vo.—*From the same.*

Monthly Notices of the Royal Astronomical Society of London. Vol. VII. June 12, 1846. No. 8. 8vo.—*From the Society.*

The Quarterly Journal of the Geological Society of London. Edited by the Vice Secretary of the Geological Society. Aug. 1, 1846. No. 7. 8vo.—*From the Geological Society.*

Bulletin de la Société de Géographie. Troisième Série. Tome V. Paris, 1846. 8vo.—*From the Society.*

Journal Asiatique. Quatrième Série. Tome VII. Avril, Mai, 1846. Nos. 33, 34. 8vo.—*From the Asiatic Society of Paris.*

Annals of the Lyceum of Natural History of New York. Vol. IV. August, 1846. Nos. 6, 7. 8vo.—*From the Lyceum.*

Collections of the New Jersey Historical Society. Vol. I. 1846. 8vo.—*From the New Jersey Historical Society.*

Constitution, By-laws, and Circular, of the New Jersey Historical Society. 8vo.—*From the same.*

Proceedings of the New Jersey Historical Society. Vol. I. 1845. No. 1. 8vo.—*From the same.*

The First Annual Address before the New Jersey Historical Society, at their Meeting in Trenton, on Monday, January 15, 1846. By the Right Rev. G. W. Doane, D.D., LL.D., Bishop of New Jersey. Burlington, 1846. 8vo.—*From the same.*

Abstract of the Proceedings of the Sixth Annual Meeting of the Association of American Geologists and Naturalists, held in New Haven, Conn., April, 1845. New Haven, 1845. 8vo.—*From the Association.*

The Medical News and Library. Vol. IV. October, 1846. No. 46. 8vo.—*From Messrs. Lea & Blanchard.*

De Nieuwe en Onbekende Weereld: of Beschryving van America en 't Zuid-Land, vervaetende d'Oorsprong der Americaenen en Zuidlanders, gedenkwaardige togten derwaerds, Gelegendheid der vaste Kusten, Eilanden, Steden, Sterkten, Dorpen, Tempels, &c. &c. Door Arnoldus Montanus. Amsterdam, 1671. Folio.—  
*From John J. Vanderkemp, Esq.*

ADDITIONS TO THE LIBRARY BY PURCHASE.

The Edinburgh New Philosophical Journal. Conducted by Professor Jameson. Nos. 76 to 81, inclusive. April, 1845, to July, 1846. 8vo.

The London, Edinburgh, and Dublin Philosophical Magazine, and Journal of Science. Conducted by Sir David Brewster and others. Third Series. Nos. 172 to 192, inclusive. March, 1845, to August, 1846. 8vo.

Astronomische Nachrichten. Nos. 564 to 570, inclusive. 4to.

Annales de Chimie et de Physique. Par MM. Gay-Lussac, Arago, Chevreul et Autres. Troisième Série. Tome XVII. Juillet, Août, 1846. 8vo.

Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences. Tome XXII. Nos. 22 to 26. Tome XXIII. Nos. 1 to 3. June 1st to 20th July, 1846. 4to.

Dr. Patterson read the following letter addressed to him by the late Dr. Rose.

*Silver Lake, May 19, 1823.*

Dear Sir,—Shortly after my return home (April 12th), I had the temperature of the water in this lake, and another which is about four miles from it, ascertained. A bottle of water was sunk to the bottom in this lake, 90 feet; in the other, 75 feet; and after lying twenty-four hours, drawn up, and the water contained in it was found to be, in both instances, 42° of Fahr. In midsummer, last year, I tried the temperature of the water here in the manner mentioned above, and found it, at an hundred feet deep, to be 46°.

Very respectfully,

R. H. ROSE.

Prof. Frazer alluded to the experiments made in the Gulf Stream by the late Lieut. George Bache, of the U. S. Coast Survey. The temperature of the surface was 80° Fahr.; but at the depth of 1500 fathoms it reached as low as 37°.

Nominations No. 190 and 191 were read.

Mr. Nulty asked permission to withdraw a communication, now in the hands of the Publication Committee, in order that he might offer a substitute.

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*Stated Meeting, October 16.*

Present, twenty-nine members.

Dr. CHAPMAN, President, in the Chair.

A letter was announced and read:—

On behalf of the Nantucket Athenæum, dated Nantucket, October 12th, 1846, asking the Society to aid in the re-establishment of their library, destroyed by fire on the 13th and 14th ultimo, and “to spare a portion of their duplicate volumes and such other works as they may feel quite free to bestow.”

The following donations were announced:—

FOR THE LIBRARY.

The African Repository and Colonial Journal. Vol. XXII. October, 1846. No. 10. 8vo.—*From the American Colonization Society.*

The American Journal of the Medical Sciences. Edited by Isaac Hays, M.D. No. XXIV. New Series. October, 1846. 8vo.—*From the Editor.*

Journal of the Franklin Institute of the State of Pennsylvania. Vol. XLII. No. 250. Third Series. Vol. XII. No. 4. 8vo.—*From Dr. R. M. Patterson.*

A Dictionary of Medical Science, containing a Concise Account of the various Subjects and Terms; with the French and other Synonymes, &c. By Robley Dunglison, M.D. Sixth Edition. Revised and greatly enlarged. Philadelphia, 1846. 8vo.—*From the Author.*

New Remedies. By Robley Dunglison, M.D. Fifth Edition, with extensive Additions. Philadelphia, 1846. 8vo.—*From the same.*

Human Physiology. With three hundred and sixty-eight Illustrations. By Robley Dunglison, M.D. Sixth Edition, greatly improved. In Two Volumes. Philadelphia, 1846. 8vo.—*From the same.*